

ELITE CU

Industrial knives sharpening machine.

Capacity up to 4090 mm.
Depending on model.

Automatic, simple, compact and economical machine which requires a low maintenance.

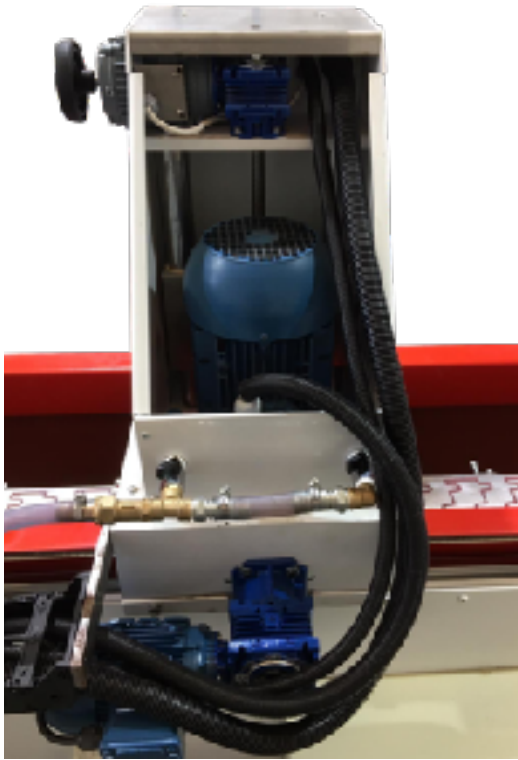
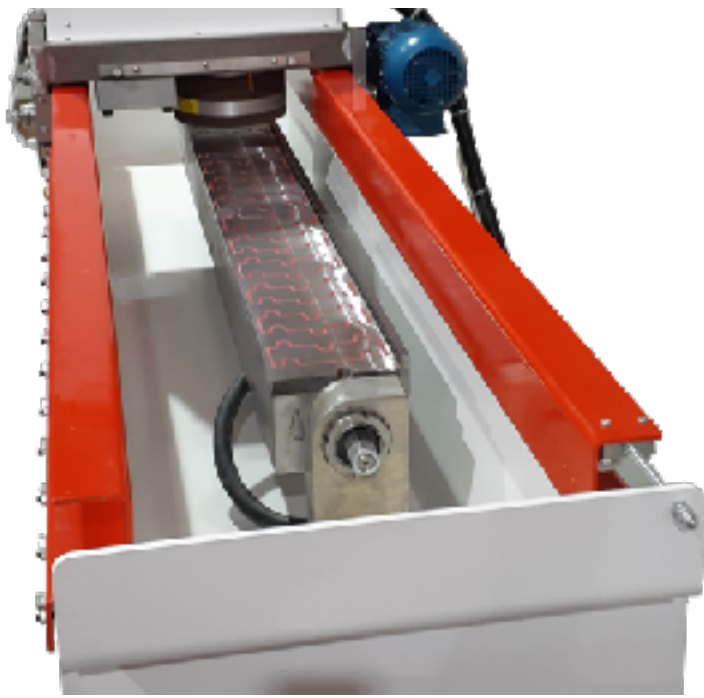


Image 1: Magnetic knives chuck 150 mm width. Magnetizable and demagnetizable from the control panel.

Image 2: Grinding wheel motor to 5,5 Hp. (7 Hp. In 60 HZ version).

Image 3: Control panel very easy to use with only the needed buttons just like the old machines but internally there is a powerful PLC system, so that the sharpening cycle is easy to adjust and automatic.

Image 4: magnetic knives chuck adjustable from 0° to 90°.

ELITE CU KNIVES GRINDING MACHINE



The **Elite CU model** is our innovative sharpening and grinding machine for straight knives with sharpening capacity from 1000 mm up to 4090 mm.

It's an automatic, simple, compact and economical machine which requires low maintenance.

Equipped with a control panel very easy to use but very powerful, with which sharpening and preparation times are as fast as possible.

We have been analyzing the working cycle of a workshop to optimize the use of the machine. The result is a control panel with only the needed buttons, like the knives sharpening machines of the past, but inside has a powerful PLC, so that the sharpening cycle is automatic with good quality.

Once the sharpening cycle is finished, if you selected the polishing cycle, this is activated automatically, for maximum sharpening quality and minimum surface roughness of the knife. And the machine automatically reduces the carriage speed for that fine-finishing operation.



Technical specifications

Grinding wheel motor	5,5 HP (7 HP in 60 Hz) Option:: 7,5 CV (9Hp in 60 Hz version).
Grinding wheel holder	For ø200 mm. grinding wheels.
Magnetic knives chuck	150 mm. width Adjustable from 0º to 90º Mechanical knives chuck available as option.
Carriage movement adjust	From 50 up to 4090 mm. depending on model.
Control panel very easy to use.	For programming automatic working cycles with: Total increase in sharpening. Partial increase in sharpening. Increment side (one side or two sides). Finishing passes.
Speed carriage adjustable	From 1 up to 20 m/min.
Maximum passage between chuck and grinding wheel holder	140 mm.
Linear guides with anti vibration bearings	For X (carriage) and Z (grinding wheel) axis movements.
External cooling equipment	220 lts. capacity with 50 L/min. pump and decanting system.
Vibration free grinding head	Thanks to ball bearing linear guides for the carriage movement.
Automatic grinding wheel downfeed	With trapezoidal spindle and anti-vibration nut.
Carriage movement	Toothed belt driven movement, free of vibrations.
Voltage	400 V. 50 Hz. 3 Ph. / 230 V. 50/60 Hz. 3 Ph.
Maximum consumption	8 KW.

Main Advantages

Very easy to use.

Magnetic knives chuck 150 mm width as serial.

Carriage movement with toothed belt driven, free of vibrations.

Programmable working cycle.

Automatic end cycle for fine polishing.

Hardened and grounded guides.

Dimensions and weight

Elite CU 1000	220x80x150 cm. / 690 kilos.
Elite CU 1500	270x80x150 cm. / 890 kilos.
Elite CU 2000	320x80x150 cm. / 1290 kilos.
Elite CU 3000	420x80x150 cm. / 1890 kilos.
Elite CU 4000	520x80x150 cm. / 2290 kilos.

We reserve the right to make design changes in the interest of technical progress.

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